

SEQUENCE LISTING

<110> MERISTEM THERAPEUTICS

<120> CLEAN SYNTHETIC VECTORS, PLASMIDS, TRANSGENIC PLANTS
AND PLANT PARTS CONTAINING SAID VECTORS, AND THEIR
METHODS OF PRODUCTION

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<170> PatentIn Ver. 2.1

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<223> Origin of replication ori RK2

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<222> (655)..(2013)

<223> NPT III gene coding for neomycin
phosphotransferase and kanamycin resistance

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<221> misc_feature

<222> (2014)..(3508)

<223> TrfA locus from pRK2 coding for two proteins P285
and P382 enabling an increase in the replication
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 and P382 enabling the increase of the rate of
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rate

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 <223> Enhanced promoter from 35S ribosome

<220>
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 <222> (6111)..(6159)
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<220>
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<210> 23
 <211> 28
 <212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Oligo
desoxynucleotide containing AvrII restriction site

<400> 23

aacctaggaa aagaccgagc gcctttgc

28

<210> 24

<211> 43

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Oligo
Desoxynucleotide containing StuI restriction site

<400> 24

cggattaatg gtagaaggcc ttccacggga gggttcgaga agg

43

<210> 25

<211> 43

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial
Sequence:Oligodesoxynucleotide containing StuI
restriction site

<400> 25

tgaaaggcct tctaccatta atccgcgata aaccacgaga acc

43

<210> 26

<211> 52

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial
Sequence:Oligodesoxynucleotide containing BstXI
restriction site

<400> 26

atgcatccaa aatttttgta gaatttaca gctataaggt tattgtcctg gg

52

<210> 27

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial
Sequence:Oligodesoxynucleotide situated upstream
of NdeI restriction site

<400> 27

atcgacgagg aaatcgtcgt gctgtttgc

29

<210> 28

<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:Oligodesoxynucleotide containing AvrII
restriction site

<400> 28
aaacctagga aatgccagta aagcgctggc 30

<210> 29
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:Oligodesoxynucleotide containing AvrII
and AatII restriction sites

<400> 29
ttcctagggtt gacgtcttct gatgggctgc ctgtatcg 38

<210> 30
<211> 47
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:Oligodesoxynucleotide containing SmaI
restriction site

<400> 30
cctatggata tcccccgagg gatagcccca gtacattaaa aacgtcc 47

<210> 31
<211> 48
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:Oligodesoxynucleotide containing
restriction site SmaI

<400> 31
ctatcccccg ggggatatcc ataggccga tctagtaaca tagatgac 48

<210> 32
<211> 47
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:Oligodesoxynucleotide containing Bsp120I
restriction site

<400> 32

gcgcaacttgg gcccatagct cgacgaacga tcgttcaaac atttggc

47

<210> 33

<211> 47

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial
Sequence:Oligodesoxynucleotide containing Bsp120I
restriction site

<400> 33

ttcgtcgagc tatgggcca agtgcgcatc ccgtgggcga agaactc

47

<210> 34

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial
Sequence:Oligodesoxynucleotide downstream of a
BstBI restriction site

<400> 34

ttcttgacga gttcttctga gcggg

25

<210> 35

<211> 47

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial
Sequence:Oligodesoxynucleotide containing
restriction sites KpnI, HindIII, EcoRI and XhoI

<400> 35

cgtaccgaa gctttgaatt cactcgagca gattgtcggt tcccgcc

47

<210> 36

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial
Sequence:Oligodesoxynucleotide containing
restriction sites AvrII and AgeI

<400> 36

tatcctagga accggtaaac cctgtggttg gcatgc

36

<210> 37

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial

Sequence:Oligodesoxynucleotide used for synthesis
of fragment "MCS-beg. Pnos"

<400> 37
atatgagact ctaattggat accgagggg 29

<210> 38
<211> 49
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:Oligodesoxynucleotide containing XhoI,
EcoRI, HindIII et KpnI restriction sites

<400> 38
gctcgagtga attcaaagct tcggtaccgt tgaaggagcc actcagccg 49

<210> 39
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:Oligodesoxynucleotide for synthesis of
part of npt II and BspEI site

<400> 39
ggaatcgaaa tctcgtgatg gcagg 25

<210> 40
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:Oligodesoxynucleotide used for synthesis
of part of Pnos and npt II

<400> 40
attattgcgc gttcaaaagt cgcc 24

<210> 41
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:Oligodesoxynucleotide used in the
synthesis of XbaI, SalI, PacI, BamHI, MluI, HpaI
et FseI restriction sites of an MCS

<400> 41
agcttgccg gccgttaaca cgcgtggatc cttaattaag tcgactctag ag 52

<210> 42
<211> 52

<212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial
 Sequence:Oligodesoxynucleotide used in the
 synthesis of XbaI, SalI, PacI, BamHI, MluI, HpaI
 et FseI restriction sites of an MCS

<400> 42
 aattctctag agtcgactta attaaggatc cacgcgtgtt aacggccggc ca 52

<210> 43
 <211> 30
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial
 Sequence:Oligodesoxynucleotide containing BspEI
 restriction site

<400> 43
 taatctgcat ccgatctgg atcgtttcgc 30

<210> 44
 <211> 30
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial
 Sequence:Oligodesoxynucleotide containing BspEI
 restriction site

<400> 44
 acgatccaga tccggatgca gattatttgg 30

<210> 45
 <211> 30
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial
 Sequence:Oligodesoxynucleotide containing BglII
 restriction site

<400> 45
 atgggtcacg acgagatctt cgccgtcggg 30

<210> 46
 <211> 19
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial
 Sequence:Oligodesoxynucleotide containing BstBI
 restriction site

<400> 46

aggcattggt ttcgaagcg

19

<210> 47
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:Oligodesoxynucleotide used for synthesis
of plasmid pUC19-uidA-Tnos delta EcoRI

<400> 47
tacgccaagc ttggcaattc c

21

<210> 48
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:Oligodesoxynucleotide containing NcoI and
SmaI restriction sites

<400> 48
aatacccgga accatgggtcc gtcctgtag

29

<210> 49
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial
Sequence:Oligodesoxynucleotide situated upstream
of SnaBI restriction site

<400> 49
atagtctgcc agttcagttc gttg

24

<210> 50
<211> 9688
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:pMRT1334

<220>
<221> misc_feature
<222> (1)
<223> pMRT1334 was obtained by replacing the nptII
expression cassette of pMRT1206 by the nptII
expression cassette of pBIN19

<400> 50
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"ep35S-gfp-polyA35S" isolated from pMRT1337

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pMRT1335 by the expression cassette
 "L5-gus-polyA35S" isolated from pMRT1336

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